

1 In the Claims:

2 1. A method of installing a visibility enhancement system on a door window of a CNC
3 machine center comprising the following steps:

4 a) providing a CNC machine center having a door with a window for viewing
5 machining operations therein; said door and window each having an outer surface
6 and an inner surface; said window having a peripheral edge;

7 b) providing a windshield wiper assembly having an elongated spindle housing, an
8 elongated spindle, a spindle arm having a front end and a rear end, a windshield
9 wiper arm and a wiper blade; said elongated spindle housing having a front end, a
10 rear end, a diameter D1, a flange adjacent said front end and a bore hole extending
11 from said front end through to said rear end;

12 c) forming a hole in said door at a predetermined location adjacent said peripheral
13 edge of said window;

14 d) inserting said elongated spindle housing into said hole in said door from said
15 outer surface of said door;

16 e) fastening said flange of said elongated spindle housing to said outer surface of
17 said door;

18 f) inserting said rear end of said spindle through said bore of said elongated spindle
19 housing;

20 g) attaching said spindle arm on said rear end of said spindle so that said wiper
21 blade is properly positioned on said inner surface of said window.
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1 2. A method as recited in claim 1 wherein said front end of said spindle has means for
2 reciprocally rotating said windshield wiper arm back and forth through a predetermined angle A.

3 3. A method as recited in claim 2 wherein said means for rotating said windshield wiper
4 arm is a crank arm secured to said front end of said spindle.

5 4. A method as recited in claim 2 wherein said angle A is approximately 90° .

6 5. A method as recited in claim 2 wherein said windshield wiper arm has an adjustable
7 length arm that allows different lengths of blades to be mounted on said windshield wiper arm.

8 6. A combination structure of a CNC machine center and a windshield wiper assembly
9 comprising:

10 a CNC machine center having a door with a window for viewing machining operations
11 therein; said door and window each having an outer surface and an inner surface;

12 a windshield wiper assembly comprising a windshield wiper arm, a wiper blade, said wiper
13 blade being properly positioned on said inner surface of said window, and means for reciprocally
14 moving said windshield wiper arm back and forth to wipe a predetermined portion of said inner
15 surface of said window; and

16 means mounting said windshield wiper assembly on said door.

17 7. The combination structure as recited in claim 6 wherein said means for reciprocally
18 moving said windshield wiper arm back and forth comprises a crank arm positioned adjacent said
19 outer surface of said door.

20 8. The combination structure as recited in claim 7 wherein said crank arm has an inner
21 end and an outer end and a knob is mounted adjacent said outer end so that a person can manually
22 move said crank arm back and forth.

1 9. The combination structure as recited in claim 7 wherein said windshield wiper assembly
2 further comprises spring means for constantly pressing said wiper blade against said inner surface
3 of said window.

4 10. The combination structure as recited in claim 9 wherein said windshield wiper arm has
5 a length adjustment arm that allows different lengths of wiper blades to be used.

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